

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: October 12, 2002, 13:02:35 : Search time 40 Seconds
(without alignments)
2394.927 Million cell updates/sec

Title: US-09-818-954A-2

Perfect score: 390
Sequence: 1 atgaagctgcattcctctt.....ccacgagctgtgagaccatc 390

Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066.

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA: *
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PCNUS_COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfilest1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
1	48.8	12.5	681	4	US-08-918-288-31
2	48.8	12.5	681	4	US-09-282-357-31
3	48.8	12.5	693	4	US-08-918-288-28
4	48.8	12.5	693	4	US-09-282-357-28
5	48.8	12.5	702	4	US-08-918-288-13
6	48.8	12.5	702	4	US-09-282-357-13
7	48.8	12.5	707	4	US-08-918-288-29
8	48.8	12.5	707	4	US-09-282-357-29
9	48.8	12.5	719	4	US-08-918-288-26
10	48.8	12.5	719	4	US-09-282-357-26
11	48.8	12.5	728	4	US-08-918-288-11
12	48.8	12.5	728	4	US-09-282-357-11
13	48.8	12.5	1006	1	US-08-239-256-1
14	46.4	11.9	718	4	US-08-918-288-10
15	46.4	11.9	718	4	US-09-282-357-10
16	46.4	11.9	744	4	US-08-918-288-8
17	46.4	11.9	744	4	US-09-282-357-8
18	45	11.5	726	4	US-08-918-288-16
19	45	11.5	726	4	US-09-282-357-16
20	45	11.5	752	4	US-08-918-288-14
21	45	11.5	752	4	US-09-282-357-14
22	43.2	11.1	549	4	US-08-918-288-37
23	43.2	11.1	549	4	US-09-282-357-37
24	43.2	11.1	575	4	US-08-918-288-35
25	43.2	11.1	575	4	US-09-282-357-35
26	43.2	11.1	717	4	US-08-918-288-7
27	43.2	11.1	717	4	US-09-282-357-7

28	43.2	11.1	743	4	US-08-918-288-5	Sequence 5, Appli
29	43.2	11.1	743	4	US-09-282-357-5	Sequence 5, Appli
30	43.2	11.1	834	4	US-08-918-288-4	Sequence 4, Appli
31	43.2	11.1	834	4	US-09-282-357-4	Sequence 4, Appli
32	43.2	11.1	835	4	US-08-918-288-40	Sequence 40, Appli
33	43.2	11.1	835	4	US-09-282-357-40	Sequence 40, Appli
34	43.2	11.1	836	4	US-08-918-288-2	Sequence 2, Appli
35	43.2	11.1	836	4	US-09-282-357-2	Sequence 2, Appli
36	43.2	11.1	837	4	US-08-918-288-38	Sequence 38, Appli
37	43.2	11.1	837	4	US-09-282-357-38	Sequence 38, Appli
38	43.2	11.1	893	4	US-09-142-320-3	Sequence 3, Appli
39	43.2	11.1	893	4	US-09-142-320-5	Sequence 5, Appli
40	43.2	11.1	893	4	US-09-142-320-6	Sequence 6, Appli
41	43.2	11.1	893	4	US-09-142-320-7	Sequence 7, Appli
42	43.2	11.1	893	4	US-09-142-320-8	Sequence 8, Appli
43	43.2	11.1	893	4	US-09-142-320-9	Sequence 9, Appli
44	43.2	11.1	893	4	US-09-142-320-10	Sequence 10, Appli
45	43.2	11.1	1301	4	US-08-804-166-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-08-918-288-31/c
Sequence 31, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESS: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-918-288-31
Query Match 12.5%; Score 48.8; DB 4; Length 681;

	Best Local Similarity	60.6%	Pred. No.	3.8e-05	Matches	80	Conservative	0	Mismatches	52	Indels	0	Gaps	0
QY	250	TGTACCTACACGAGACCAACAGGTGATGTGCAAGCTCCCAACTGTGTCCCGGAGATC	309											
Db	471	TGTACCTTCACGAGCACTGTGTATATGAACATGAGAGTGTCCCGGGCTGTCTACCATGCA	412											
QY	310	GACCCCTTACACCTATCCCGTGGGCATCCCGCTGTGATCGGAGACCGCTGCATCGCC	369											
Db	411	GATTCCTGTATACATATACCACTGGCCACCAAGTGTCACTGTGGCAAGTGTACACGGCAG	352											
QY	370	ACCACGAGATGT	381											
Db	351	AGCACTGATTGT	340											

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RESULT 2
US-09-282-357-31/c
; Sequence 31, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPlicant: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918, 288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853, 524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199, 382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050, 25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEX: 202-887-0763
TELETYPE:
INFORMATION FOR SEQ ID NO.: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-282-357-31
Query Match          12.5%; Score 48.8; DB 4; Length 681;
Best Local Similarity   60.6%; Pred. No. 3,8e+05;
Matches    80; Conservative      0; Mismatches     52; Indels       0; Gaps         0.
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Qy	310	GACCCCTTCTACACCTATCCCGTGGCCATTCGCTGTGACATCGGAGAGCCCTCCATCGCC	369
Db	411	GATTCTCTGTATACCTATACCAGTAGTGGCCACCCAGTGTACTCTGTSCAGATGTGACACGGAC	352
Qy	370	ACCACGAGAGTG	381
Db	351	AGCACTGATGT	340

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US-08-918-288-28/c
; Sequence 28, Application US/08918288
; Patent No. 6238890
;
GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
;
CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
;
CURRENT APPLICATION DATA: 09/282.357
; APPLICATION NUMBER: US/08/918.288
;
FILING DATE:
; CLASSIFICATION:
;
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/282.357
; FILING DATE:
; APPLICATION NUMBER: 08/853.524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199.382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
;
TELEX:
;
INFORMATION FOR SEQ ID NO: 28:
;
SEQUENCE CHARACTERISTICS:
; LENGTH: 693 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-08-918-288-28
;
Query Match 12.5%; Score 48.8; DB 4; Length 693;
Best Local Similarity 60.6%; Pred. No. 3.8e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0.
;
250 TGTACTTACAAAGAGCAACCAAGGATGATGCAAGCTGCGCCACAGTGTGCCCCGGAGATC 309
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
483 TGTACTTACAAAGAGCAAGTGTATATGTAAGAGTGAGAGTGTCCCGGCTGTGCTTACCATGCA 424
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
310 GAGCCCTTACACCTATCCCGTGGCCATCCGCTGTGACTGGAGGCCCTGCTCCACTGCC 369
|| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
423 GATTCCTTATATACATACCACTGGCCACCACTGATGCTGTGGCAAGTGTGACAGCGAC 364
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
370 ACCAGGAGTGT 381
|| ||| ||| |||
363 AGCACTGATGTGT 352

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RESULT 4
US-09-282-357-28/c
; Sequence 28, Application US/09282357
; Patent No. 6242580
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/282.357
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/918,288
; FILING DATE: 25 AUG-1997
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 693 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-09-282-357-28

Query Match          12.5%; Score 48.8; DB 4; Length 693;
Best Local Similarity 60.6%; Pred. No. 3.8e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Oy 250 TGTACTTCAACGAGCAAGAGTGTGCTCAAGCTGCGCCAGTGGCCCCGGAGTTC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 483 TGTACTTCAAGAGCAAGTGTATGAAACAGTGAAGTCCGGCTGTGCTCACCATGCA 424
Oy 310 GACCCCTTCTACACCTATCCGTCGCTGCTGAGTGGAGAGCTGCTCCACTGCC 369
    || ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 423 GATTCCTTGTATACATACCCAGTGGCCACCCAGTGTCACTGTGGCAAGTGTGACAGCAG 364
Oy 370 ACCACGAGTGT 381
    || ||| ||| |||
Db 363 AGCACTGATGTGT 352

RESULT 5
US-08-918-288-13/c
; Sequence 13, Application US/08918288
; Patent No. 6238890
; GENERAL INFORMATION:
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; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,288
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/282,357
; FILING DATE:
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 702 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-08-918-288-13

Query Match          12.5%; Score 48.8; DB 4; Length 702;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Oy 250 TGTACTTCAACGAGCAAGAGTGTGCTCAAGCTGCGCCAGTGGCCCCGGAGTTC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 492 TGTACTTCAAGAGCAAGTGTATATGAACAGTGAAGTCCGGCTGTGCTCACCATGCA 433
Oy 310 GACCCCTTCTACACCTATCCGTCGCTGCTGAGTGGAGAGCTGCTCCACTGCC 369
    || ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 432 GATTCCTTGTATACATACCCAGTGGCCACCCAGTGTCACTGTGGCAAGTGTGACAGCAG 373
Oy 370 ACCACGAGTGT 381
    || ||| ||| |||
Db 372 AGCACTGATGTGT 361

RESULT 6
US-09-282-357-13/c
; Sequence 13, Application US/09282357
; Patent No. 6242580
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
```

STREET : 2000 Pennsylvania Avenue, NW, suite 5500
City : Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282.357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918.288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853.524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199.382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 702 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-282-357-13

Query Match	12.5%	Score 48.8;	DB 4;	Length 702;
Best Local Similarity	60.6%	Pred. No. 3.9e-05;		
Matches 80; Conservative	0;	Mismatches 52;	Indels 0;	Gaps 0

QY	250	TGACCTACACAGAGACCAAAACAGTAGCTACGTCAAGCTGCCCACAACTGTGGCCCGGAGATC	309
Db	492	TGTACCTTCAAGGAACTGTGTATATGAAACAGTAGAGTGGCCGGCTGTGCTCACACATGCA	433
QY	310	GACCCCTTCTACACCTATCCCGTGGCCATCGCGTGTACATGCGGAGCGCTGCTCCATCTGCC	369
Db	432	GATTCTCTGTATACATATACCCAGTGGCCACCCAGTGTCACTGTGGCAAGTGTGAAAGGAC	373
QY	370	ACCAAGGAGTGT	381
Db	372	AGCACTGATTGT	361

RESULT 7
 US-08-918-288-29
 Sequence 29, Application US/08918288
 Patent No. 6238890
 GENERAL INFORMATION:
 APPLICANT: BOIME, Irving
 APPLICANT: MOYLE, William R.
 TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
 TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
 NUMBER OF SEQUENCES: 83
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 2000 Pennsylvania Avenue, NW, suite 5500D
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1888
 COMPUTER READABLE FORM:
 MEDIUM type: Diskette

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1 COMPUTER: IBM Compatible
2 OPERATING SYSTEM: DOS
3 SOFTWARE: FASTSEO for Windows Version 2.0
4 CURRENT APPLICATION DATA:
5 APPLICATION NUMBER: US/08/918,288
6 FILING DATE:
7 CLASSIFICATION:
8 PRIOR APPLICATION DATA:
9 APPLICATION NUMBER: 09/282,357
10 FILING DATE:
11 APPLICATION NUMBER: 08/853,524
12 FILING DATE: 09-MAY-1997
13 APPLICATION NUMBER: 08/199,382
14 FILING DATE: 18-FEB-1994
15 ATTORNEY/AGENT INFORMATION:
16 NAME: Mursahide, Kate H
17 REGISTRATION NUMBER: 29,959
18 REFERENCE/DOCKET NUMBER: 29500-20050.25
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: 202-887-1500
21 TELEFAX: 202-887-0763
22 TELEX:
23 INFORMATION FOR SEQ ID NO: 29:
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 707 base pairs
26 TYPE: nucleic acid
27 STRANDEDNESS: double
28 TOPOLOGY: linear
29 FEATURE:
30 NAME/KEY: Coding Sequence
31 LOCATION: 33...698
32 OTHER INFORMATION:
33 US-08-918-288-29

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Query Match	12.58;	Score 48.8;	DB 4;	Length 707;
Best Local Similarity	60.68;	Pred. No. 3.9e-05;		
Matches 80; Conservative	0;	Mismatches 52;	Indels 0;	Gaps 0;

Qy	250	TGACCTTCACGAGACCAACAGCAGTGCCTCAAGTGGCCCACTTGGCCCGGGAGTC	300
Db	237	TGTACCTTCAGGAGACAGTGTATATGAAACAGTGAAGATGCCCGGCTGTGCTCACCATGCA	298
Qy	310	GACCCCTTCTACACCTATCCCGTGGCCATCGCGTGTGACTGCGAGCGCTGCTCCATGCC	363
Db	287	GATTCCTGTATACCTATCCACAGTGGCCACCACGTCCTACTGTGCGAAGTGTGACAGCGAC	356
Qy	370	ACCACGGAGTGT	381
Db	357	AGCACTGATGTGT	368

RESULT 8
US-09-282-357-79
Sequence 29, Application US/09282357
Patent No. 6242360
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0

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: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/282,357
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/918,288
: FILING DATE: 25 AUG-1997
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 29:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 707 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 33...698
: OTHER INFORMATION:
: US-09-282-357-29

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Query Match      12.5%  Score 48.8; DB 4; Length 707;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
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OY 250 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGTGCCCGGAGATC 309
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 237 TGTACTACAGAGACAGTGTATATGAACAGTGAAGTCCCGGTGTGCTCACCATGCA 296
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
OY 310 GACCCCTTCTACACCTATCCGTCGCGCTGTGACTGCGGAGCCTGCTCCACTGCC 369
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 297 GATTCCTTGTATACATACCAGTGGCCACCCAGTGTCACTGTGCAAGTGTACAGCGAC 356
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
OY 370 ACCACGAGATGT 381
    ||||| |||||
DB 357 AGCACTGATGT 368
    ||||| |||||

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: RESULT 9
: US-08-918-288-26
: Sequence 26, Application US/08918288
: Patent No. 6238890
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/918,288
: FILING DATE:

```

```

: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/282,357
: FILING DATE:
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 26:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 719 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 33...700
: OTHER INFORMATION:
: US-08-918-288-26

```

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Query Match      12.5%  Score 48.8; DB 4; Length 719;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
:
OY 250 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGTGCCCGGAGATC 309
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 237 TGTACTTCAAGAGACTGTATATGAACAGTGAAGTCCCGGTGTGCTCACCATGCA 296
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
OY 310 GACCCCTTCTACACCTATCCGTCGCGCTGTGACTGCGGAGCCTGCTCCACTGCC 369
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 297 GATTCCTTGTATACATACCAGTGGCCACCCAGTGTCACTGTGCAAGTGTACAGCGAC 356
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
OY 370 ACCACGAGATGT 381
    ||||| |||||
DB 357 AGCACTGATGT 368
    ||||| |||||

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: RESULT 10
: US-09-282-357-26
: Sequence 26, Application US/09282357
: Patent No. 6242580
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/282,357
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/918,288

```


INFORMATION FOR SEQ ID NO: 10:

LENGTH: 718 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-918-288-10

Query Match 11.9%; Score 46.4; DB 4; Length 718;
Best Local Similarity 49.2%; Pred. No. 0.00019;
Matches 122; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

QY 137 AGAAGCAGGCTGCGAGGGCTTCGGATGACACAGGATGCTGGGGTGGTGAGA 196
DB 596 AGAAGAGGGCTGCCCGGTGTCATCACCTCAACACACCATGTGCGGCTACTGCC 537
QY 197 CCTGGAGAAACCATTTCTGGAACCCCTATATTTGAAGCCATCATGAGTCTGACT 256
DB 536 CCACCATGATGCGGTGCTGCAAGCGGTCTGCGGCCCTGCTCAGGTGTGTGACCT 477
QY 257 ACACAGAGACCAACAGGTGACTGTCAAGCTGCCCAACTGTGCCCCGGAGTGCACCCCT 316
DB 476 ACCGTGATGTGCGCTTCGAGTCCATCCGGCTCCCTGGCTGCCCGGTGGACCCCG 417
QY 317 TCTACACCTATCCCGTGGCCATCCGCTGTGACTGCGGAGGCTGCTCACTGCCACACGG 376
DB 416 TGGTCTCTCTCCCTGTGGCTCTGAGCTGTGCTGTGGACCTGCCGCCAGCACCTCTG 357
QY 377 AGTGTGAG 384
DB 356 ACTGTGGG 349

RESULT 15
US-09-282-357-10/c
Sequence 10, Application US/09282357
Patent No. 6242580

GENERAL INFORMATION:

APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/918,288

APPLICATION NUMBER: 08/853,524

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: 08/199,382

FILING DATE: 18-FEB-1994

ATTORNEY/AGENT INFORMATION:

NAME: Murashige, Kate H

REGISTRATION NUMBER: 29,959

REFERENCE/DOCKET NUMBER: 29500-20050.25

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-887-1500

TELEFAX: 202-887-0763

TELEX:

*INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 718 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-282-357-10

Query Match 11.9%; Score 46.4; DB 4; Length 718;
Best Local Similarity 49.2%; Pred. No. 0.00019;
Matches 122; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

QY 137 AGAAGCAGGCTGCGAGGGCTTCGGATGACACAGGATGCTGGGGTGGTGAGA 196
DB 596 AGAAGAGGGCTGCCCGGTGTCATCACCTCAACACACCATGTGCGGCTACTGCC 537
QY 197 CCTGGAGAAACCATTTCTGGAACCCCTATATTTGAAGCCATCATGAGTCTGACT 256
DB 536 CCACCATGATGCGGTGCTGCAAGCGGTCTGCGGCCCTGCTCAGGTGTGTGACCT 477
QY 257 ACACAGAGACCAACAGGTGACTGTCAAGCTGCCCAACTGTGCCCCGGAGTGCACCCCT 316
DB 476 ACCGTGATGTGCGCTTCGAGTCCATCCGGCTCCCTGGCTGCCCGGTGGACCCCG 417
QY 317 TCTACACCTATCCCGTGGCCATCCGCTGTGACTGCGGAGGCTGCTCACTGCCACACGG 376
DB 416 TGGTCTCTCTCCCTGTGGCTCTGAGCTGTGCTGTGGACCTGCCGCCAGCACCTCTG 357
QY 377 AGTGTGAG 384
DB 356 ACTGTGGG 349

Search completed: October 12, 2002, 13:33:34
Job time : 43 secs